

Resource Summary Report

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Zeiss: LSM 510 Confocal Microscope

RRID:SCR_018062

Type: Tool

Proper Citation

Zeiss: LSM 510 Confocal Microscope (RRID:SCR_018062)

Resource Information

URL: <https://www.biocompare.com/Product-Reviews/41153-LSM-510-META-From-Zeiss/>

Proper Citation: Zeiss: LSM 510 Confocal Microscope (RRID:SCR_018062)

Description: Versatile laser scanning confocal microscope system that is available in both upright or inverted format. Equipped with ICS-Optics. Selection of dry, water immersion and oil immersion objectives are available. ICS-Optics are infinity color corrected.

Synonyms: Zeiss LSM-510 META NLO Laser Scanning Confocal Microscope with multiphoton capability

Resource Type: instrument resource

Keywords: ABRF, Confocal Laser Scanning Microscope, Zeiss, instrument, equipment

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_018062.pdf

Resource Name: Zeiss: LSM 510 Confocal Microscope

Resource ID: SCR_018062

Alternate IDs: Model_Number_LSM 510

Alternate URLs:

https://www.bio.umass.edu/microscopy/Guided_Tour_for_LSM_510_and_META.pdf

Record Creation Time: 20220129T080338+0000

Record Last Update: 20260725T190839+0000

Ratings and Alerts

No rating or validation information has been found for Zeiss: LSM 510 Confocal Microscope.

No alerts have been found for Zeiss: LSM 510 Confocal Microscope.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Ning G, et al. (2025) BCAS2 promotes primitive hematopoiesis by sequestering β -catenin within the nucleus. *eLife*, 13.

Nakada Y, et al. (2025) ASCL1 protein domains with distinct functions in neuronal differentiation and subtype specification. *Developmental biology*, 523, 32.

Gargiulo E, et al. (2023) Extracellular Vesicle Secretion by Leukemia Cells In Vivo Promotes CLL Progression by Hampering Antitumor T-cell Responses. *Blood cancer discovery*, 4(1), 54.

Göttle P, et al. (2023) Teriflunomide as a therapeutic means for myelin repair. *Journal of neuroinflammation*, 20(1), 7.

Hu C, et al. (2023) PPP1R3A inhibits osteogenesis and negatively regulates intracellular calcium levels in calcific tendinopathy. *iScience*, 26(10), 107784.

Li C, et al. (2022) Matrine counteracts obesity in mice via inducing adipose thermogenesis by activating HSF1/PGC-1 α axis. *Pharmacological research*, 177, 106136.

Rao Y, et al. (2022) A novel HSF1 activator ameliorates non-alcoholic steatohepatitis by stimulating mitochondrial adaptive oxidation. *British journal of pharmacology*, 179(7), 1411.

Chen L, et al. (2022) β_1 -Adrenoceptors activate the NLRP3 inflammasome through downregulation of Kir2.1 in cardiac inflammation. *Experimental physiology*, 107(6), 589.

Imbernon M, et al. (2022) Tanycytes control hypothalamic liraglutide uptake and its anti-obesity actions. *Cell metabolism*, 34(7), 1054.

Ciummo SL, et al. (2021) The C-X-C Motif Chemokine Ligand 1 Sustains Breast Cancer Stem Cell Self-Renewal and Promotes Tumor Progression and Immune Escape Programs. *Frontiers in cell and developmental biology*, 9, 689286.